

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/012169

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C10M141/08 C10M141/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C10M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/022963 A (LUBRIZOL CORP) 20 March 2003 (2003-03-20) page 4, line 17 - page 6, line 23 page 9, line 15 - page 33, line 2 page 39, line 22 - line 28 example 2	1-16
X	EP 1 266 952 A (INFINEUM INT LTD) 18 December 2002 (2002-12-18) page 3, line 55 - page 5, line 28 page 5, line 43 - page 6, line 35 claims; examples	5-16
P, X	US 2003/166477 A1 (ABRAHAM WILLIAM D ET AL) 4 September 2003 (2003-09-04) paragraph '0004! - paragraph '0036! paragraph '0098! - paragraph '0105! claims; examples	1-16

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *'A* document defining the general state of the art which is not considered to be of particular relevance
- *'E* earlier document but published on or after the international filing date
- *'L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *'O* document referring to an oral disclosure, use, exhibition or other means
- *'P* document published prior to the international filing date but later than the priority date claimed

- *'T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *'X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *'Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *'8* document member of the same patent family

Date of the actual completion of the international search

13 August 2004

Date of mailing of the international search report

25/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Dötterl, E

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/012169

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/147116 A1 (LAMB GORDON D ET AL) 10 October 2002 (2002-10-10) the whole document -----	1-16
A	US 4 582 618 A (DAVIS KIRK E) 15 April 1986 (1986-04-15) cited in the application the whole document -----	1-16
P,A	WO 03/104620 A (ABRAHAM WILLIAM D ; KELLEY JACK C (US); LUBRIZOL CORP (US); WILK MELOD) 18 December 2003 (2003-12-18) the whole document -----	1-16

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/012169

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 03022963	A 20-03-2003	US 6583092 B1		24-06-2003
		CA 2458043 A1		20-03-2003
		EP 1427800 A1		16-06-2004
		WO 03022963 A1		20-03-2003
EP 1266952	A 18-12-2002	EP 1266952 A1		18-12-2002
		CA 2390748 A1		15-12-2002
		EP 1266953 A1		18-12-2002
		US 2003004070 A1		02-01-2003
US 2003166477	A1 04-09-2003	WO 03070863 A2		28-08-2003
US 2002147116	A1 10-10-2002	CA 2434334 A1		15-08-2002
		EP 1360265 A2		12-11-2003
		JP 2004521176 T		15-07-2004
		WO 02062930 A2		15-08-2002
US 4582618	A 15-04-1986	AT 45377 T		15-08-1989
		AU 584661 B2		01-06-1989
		AU 5207286 A		22-07-1986
		BR 8507144 A		31-03-1987
		CA 1265505 A1		06-02-1990
		DE 3572192 D1		14-09-1989
		DK 385186 A, B,		13-08-1986
		EP 0204829 A1		17-12-1986
		ES 8705509 A1		16-07-1987
		FI 863285 A		13-08-1986
		IN 166484 A1		19-05-1990
		JP 2558264 B2		27-11-1996
		JP 62501014 T		23-04-1987
		MX 168570 B		01-06-1993
		NO 863247 A, B,		12-08-1986
		WO 8603772 A1		03-07-1986
		ZA 8509562 A		27-08-1986
WO 03104620	A 18-12-2003	WO 03104620 A2		18-12-2003